

Fig. 1

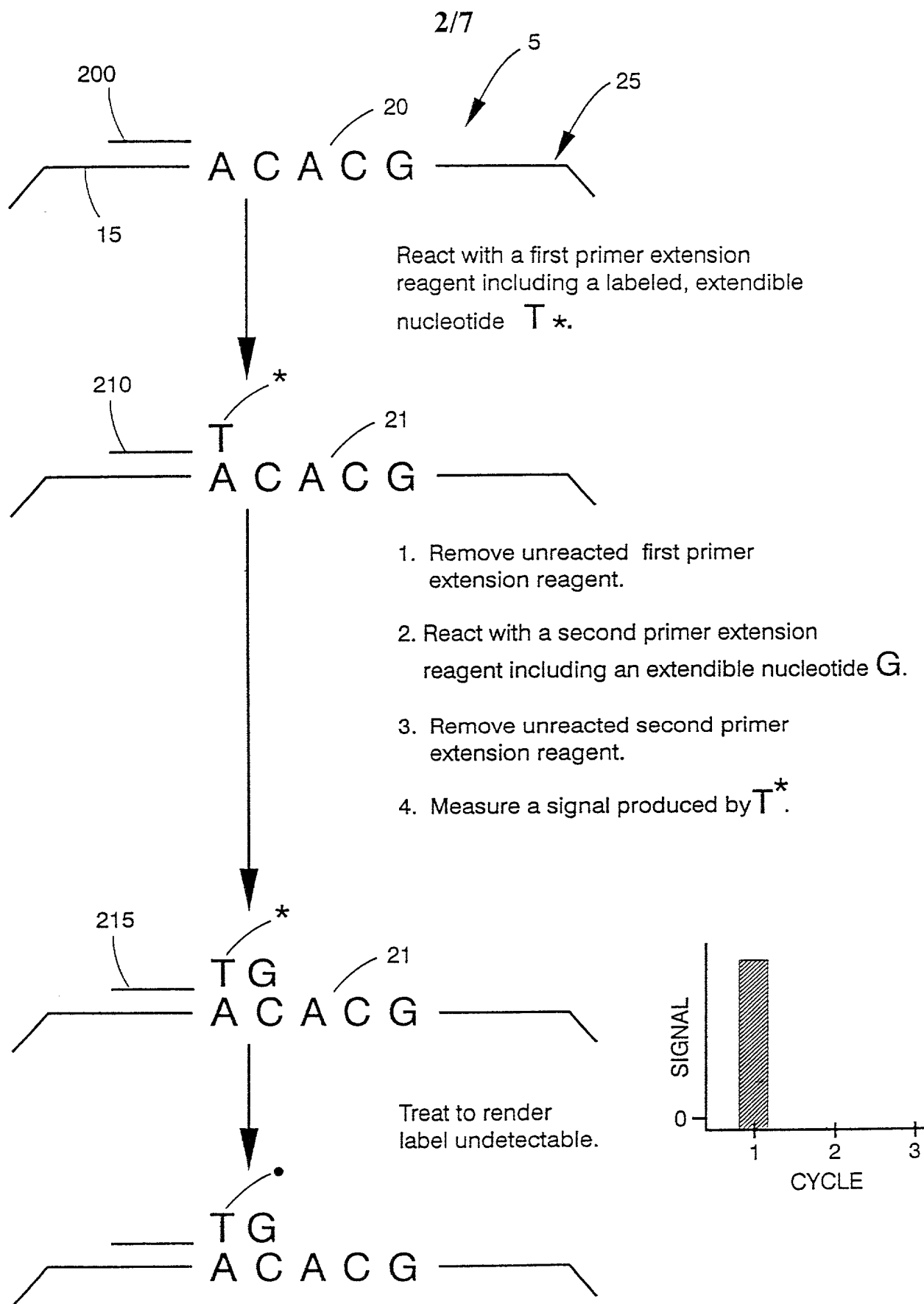
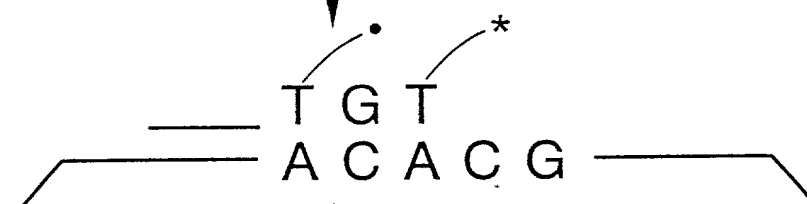


Fig. 2A

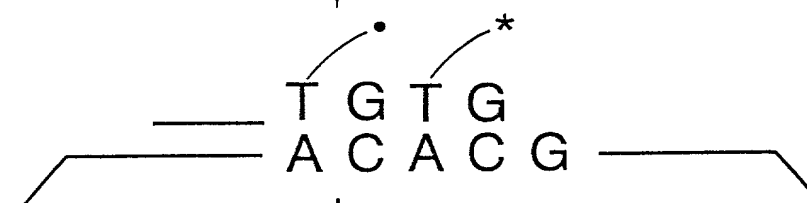
3/7



React with a first primer extension reagent including a labeled, extendible nucleotide  $T^*$ .



1. Remove unreacted first primer extension reagent.
2. React with a second primer extension reagent including an extendible nucleotide G.
3. Remove unreacted second primer extension reagent.
4. Measure a signal produced by  $T^*$ .



Treat to render label undetectable.

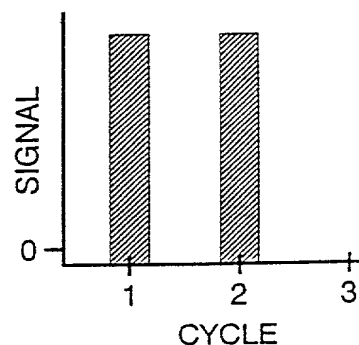
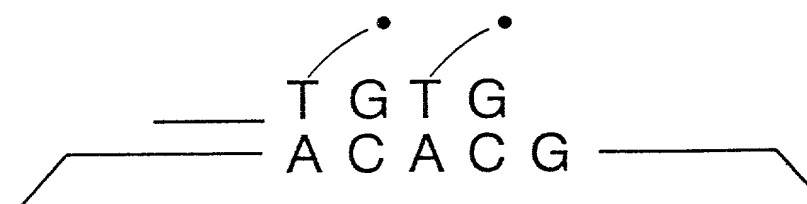


Fig. 2B



React with a first primer extension reagent including a labeled, extendible nucleotide  $T^*$ .



1. Remove unreacted first primer extension reagent.
2. React with a second primer extension reagent including an extendible nucleotide G.
3. Remove unreacted second primer extension reagent.
4. Measure a signal produced by  $T^*$ .

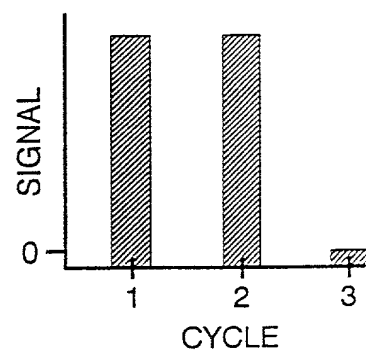
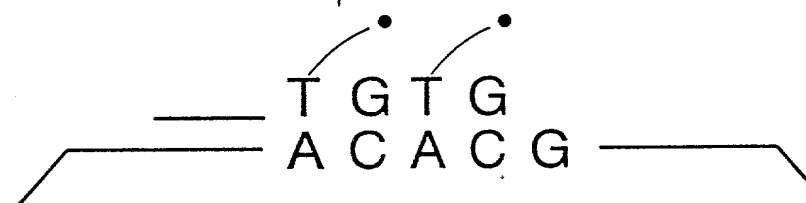
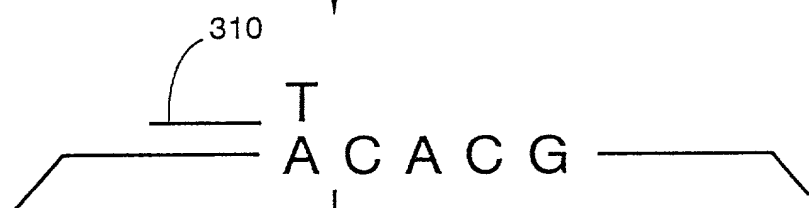


Fig. 2C



React with a first primer extension reagent including a labeled, extendible nucleotide T.



1. Remove unreacted first primer extension reagent.
2. React with a second primer extension reagent including an extendible nucleotide G.
3. React with a primer termination reagent including a labeled nucleotide terminator C\*.
4. Remove unreacted second primer extension reagent and primer termination reagent.
5. Measure a signal produced by C\*.

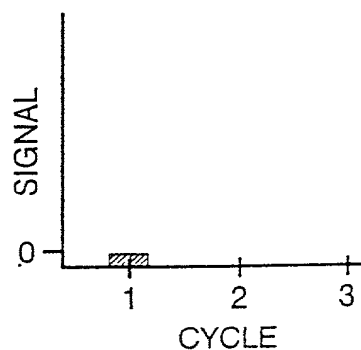
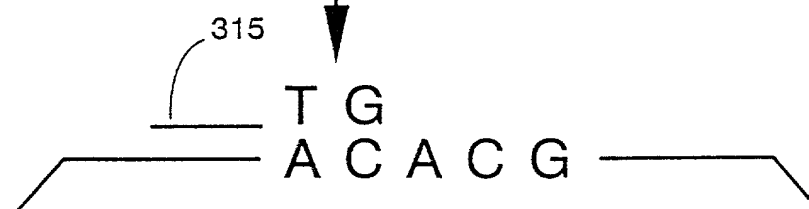
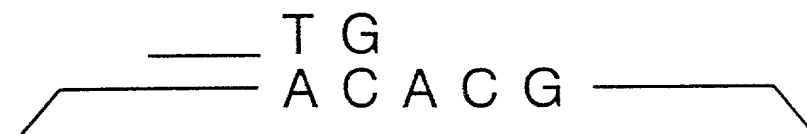
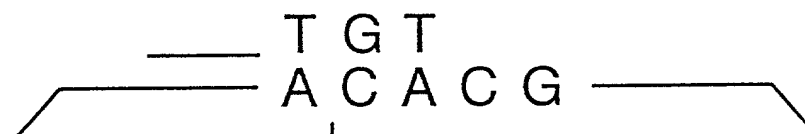


Fig. 3A



React with a first primer extension reagent including a labeled, extendible nucleotide T.



1. Remove unreacted first primer extension reagent.
2. React with a second primer extension reagent including an extendible nucleotide G.
3. React with a primer termination reagent including a labeled nucleotide terminator C\*.
4. Remove unreacted second primer extension reagent and primer termination reagent.
5. Measure a signal produced by C\*.

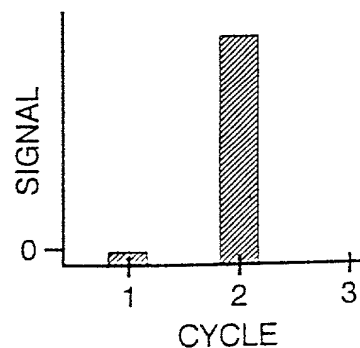
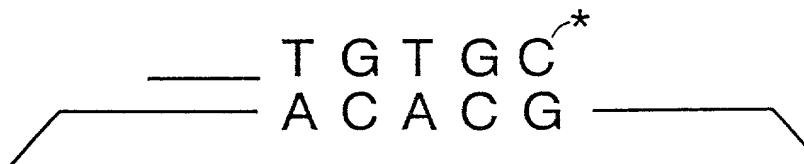


Fig. 3B

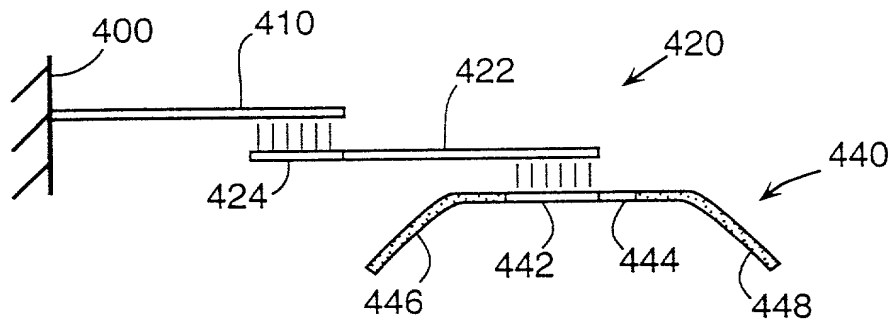


Fig. 4

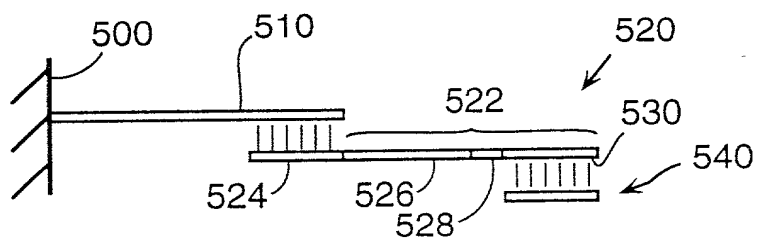


Fig. 5